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1 **Fast implementations of secret-key block ciphers using mixed inner- and outer-round pipelining** ■
   Pawel Chodowiec, Po Khuon, Kris Gaj
   February 2001 **Proceedings of the 2001 ACM/SIGDA ninth international symposium on Field programmable gate arrays FPGA '01**
   Publisher: ACM Press

   Full text available: 📄 pdf(691.29 KB)   Additional Information: full citation, abstract, references, citings, index terms

   The new design methodology for secret-key block ciphers, based on introducing an optimum number of pipeline stages inside of a cipher round is presented and evaluated. This methodology is applied to five well-known modern ciphers, Triple DES, Rijndael, RC6, Serpent, and Twofish, with the goal to first obtain the architecture with the optimum throughput to area ratio, and then the architecture with the highest possible throughput. All ciphers are modeled in VHDL, and implemented using Xilinx ...

   Keywords: AES, fast architectures, pipelining, secret-key ciphers

2 **Encryption: a few cryptic remarks** ■
   Bill Neugent
   January 1992 **ACM SIGSAC Review**, Volume 10 Issue 1
   Publisher: ACM Press

   Full text available: 📄 pdf(528.52 KB)   Additional Information: full citation, abstract, references, citings, index terms

   As we place more trust in our computer systems, we must continue to find more ways to make our systems deserving of that trust. Encryption is one of those ways.

3 **Emerging applications: Almost entirely correct mixing with applications to voting** ■
   Dan Boneh, Philippe Golle
   November 2002 **Proceedings of the 9th ACM conference on Computer and communications security CCS '02**
   Publisher: ACM Press

   Full text available: 📄 pdf(199.48 KB)   Additional Information: full citation, abstract, references, citings, index terms

   In order to design an exceptionally efficient mix network, both asymptotically and in real terms, we develop the notion of almost entirely correct mixing, and propose a new mix

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M Jakobsson

P Golle

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[PS] ... , using a database for **mixed** random conjunctive normal forms built upon the advanced **encryption** ... - all 9 versions »
O Kullmann - SAT2002 [SAT02] - cs-svr1.swan.ac.uk
... solvers, using a database for **mixed** random conjunctive normal forms built upon the Advanced **Encryption** Standard (AES) Oliver Kullmann ...
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... , using a database for **mixed** random conjunctive normal forms created using the advanced **encryption** ... - all 6 versions »
O Kullmann - Computer Science Department, University of Wales Swansea, ..., 2002 - www-compsci.swan.ac.uk
... branching rule for DLL-like SAT solvers, using a database for **mixed** random conjunctive normal forms created using the Advanced **Encryption** Standard (AES) ...
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A bulk data **encryption** algorithm - all 14 versions »
D Wheeler - Fast Software **Encryption**: Second International Workshop - cix.co.uk
... We attempt to design an **encryption** system for medium speed **encryption** of blocks, and ... The original three top bytes are shifted down one byte and **mixed** using XOR ...
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Optimal **encryption** of quantum bits - all 11 versions »
PO Boykin, V Roychowdhury - Physical Review A, 2003 - APS
... Second, since the **encryption** operations are unitary,the totally **mixed** state is clearly mapped to itself, and hence, rc5(1/2n)I. It is easy to verify now that ...
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... and Fair Comparison of the Final Candidates for Advanced **Encryption** Standard Using Field ... - all 9 versions »
K Gaj, P Chodowiec - Proc. RSA Security Conference-Cryptographer's Track, April, 2001 - Springer
... 17, the **encryption**/decryption latency remains the same as in the basic iterative ... round pipelining, c) full outer-round pipelining, c) partial **mixed** inner- and ...
Cited by 44 - Related Articles - Web Search - BL Direct

CMOS 2.4 μm chaotic oscillator: experimental verification ofchaotic **encryption** of audio - all 3 versions »
M Delgado-Restituto, M Linan, A Rodriguez-Vazquez - Electronics Letters, 1996 - ieeexplore.ieee.org
... 7 illustrates the performance of the whole audio **encryption** scheme ... Restituto, M. Liiian and A. Rodriguez-Vazquez (Department of Analog and **Mixed**-Signal Circuit ...
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Reversible data mixing procedure for efficient public-key **encryption** - all 5 versions »
M Matyas, M Peyravian, A Roginsky, N Zunic - Computer and Security, 1998 - secg.org
... Page 7. 7 2.2 **Encryption** Process An n −bit portion of the **Mixed** PlaintextBlock,

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Java Series (O'Reilly & Associates)
by Knudsen, Jonathan.
Publication: Cambridge ; Sebastopol, Calif. O'Reilly and Associates, 1998.
Symmetric keys can be useful in applications like hard-disk file encryption, when the same pe
encrypts and decrypts data. ·Asymmetric, or public key, ciphers use a pair of keys. The secret
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by Garfinkel, Simson.
Publication: Sebastopol, CA O'Reilly and Associates, 1995.
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system that can correct some kinds of transmission errors—an important feature for people w
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3.   **American Men & Women of Science: A Biographical Directory of Today's Leaders ir
Physical, Biological, and Related Sciences**
by Kalte, Pamela M.; Nemeh, Katherine H.
Publication: Detroit, MI Gale Group, 2003.
COMPONENT I DIR, CREIGHTON UNIV SCH MED, 1996-; PROF MED MICROBIOL, CREIGHTOI
SCH MED, 1993-; consult, Fermenta Animal Health, 1985-1990; consult, Norden Labs, 1982-1
consult, Dellen Labs,1980-1983; consult, Omaha-Douglas Co Health Dept,
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4.   **A Dictionary of Computing**
Oxford Paperback Reference
by Illingworth, Valerie.
Publication: Oxford ; New York Oxford University Press (UK), 1997.
Algorithms exist to estimate values to be substituted for those that are missing. to allow the a
be completed. mixed alphabet An *alphabet that has been subjected to a *permutation for
incorporation in an *encryption algorithm, usually to effect a substitution (see substitution cip
mixed-base system See number system. mixed cipher A cipher that incorporates both *transp
The · Data Encryption Standard is a mixed cipher. mixed logic A *digital design that includes :
*positive and *negative logic. mixed-radix system See number system.